2003 Tri-Service Power Expo & Conference

Norfolk, VA

INTELLIGENT POWER MANAGEMENT FOR VEHICLES & SHELTERS

July 16, 2003

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CUSTOM MANUFACTURING & ENGINEERING, INC.

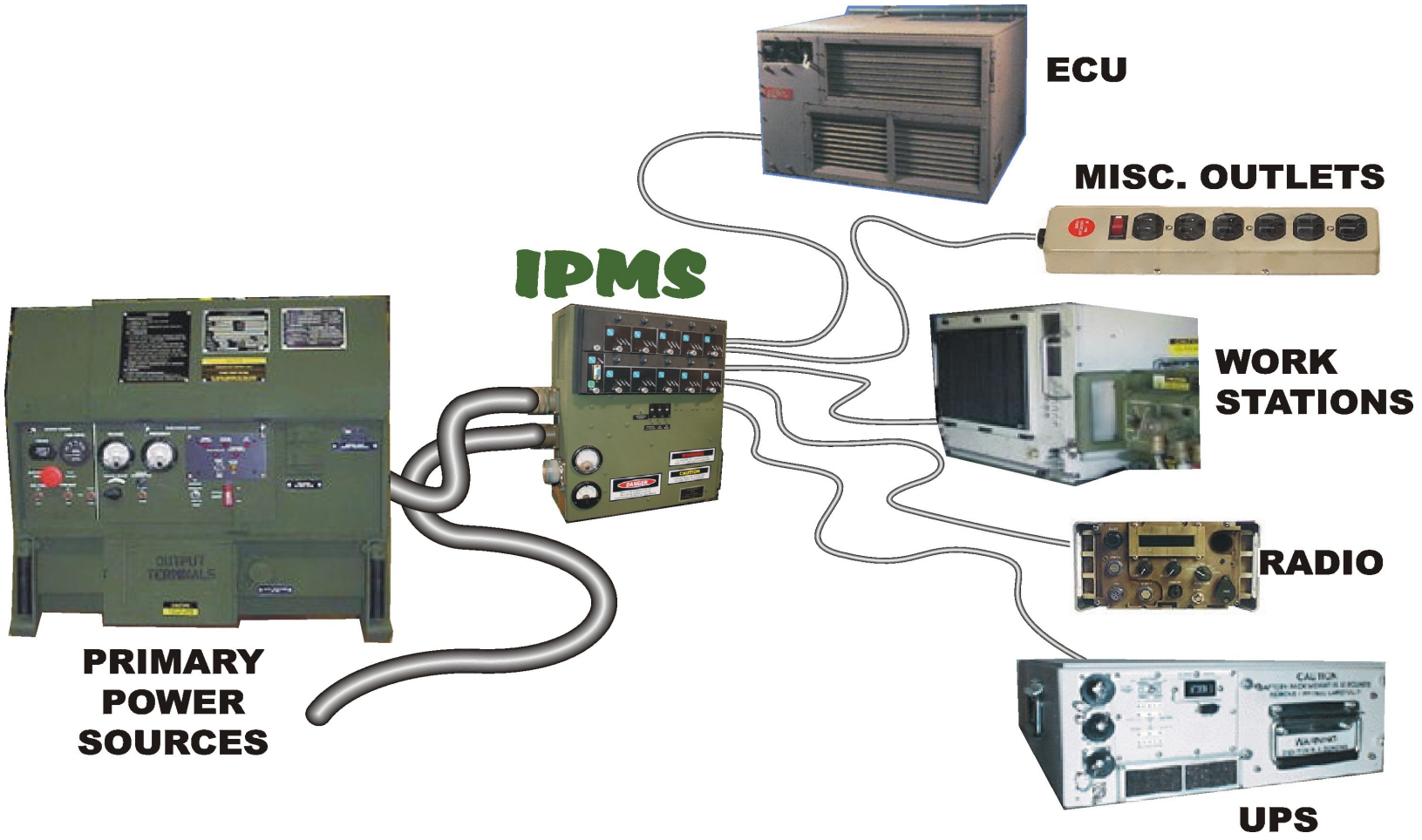
Corporate Overview

An Innovative Small Business Providing Advanced Monitoring and Control Solutions to Government and Industrial Customers

IPMS OVERVIEW

CUSTOM MANUFACTURING
& ENGINEERING, INC.

Notional Configuration



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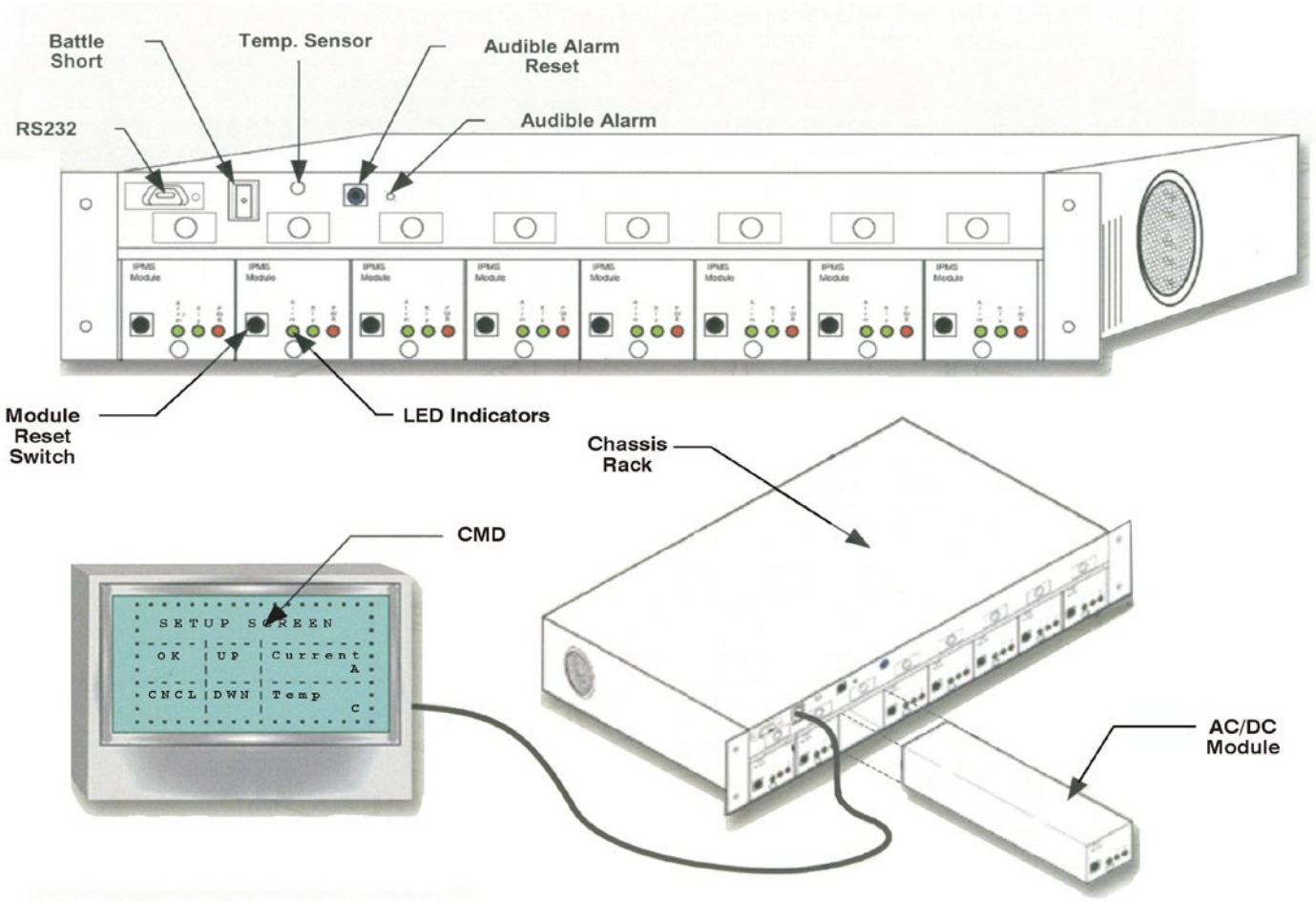
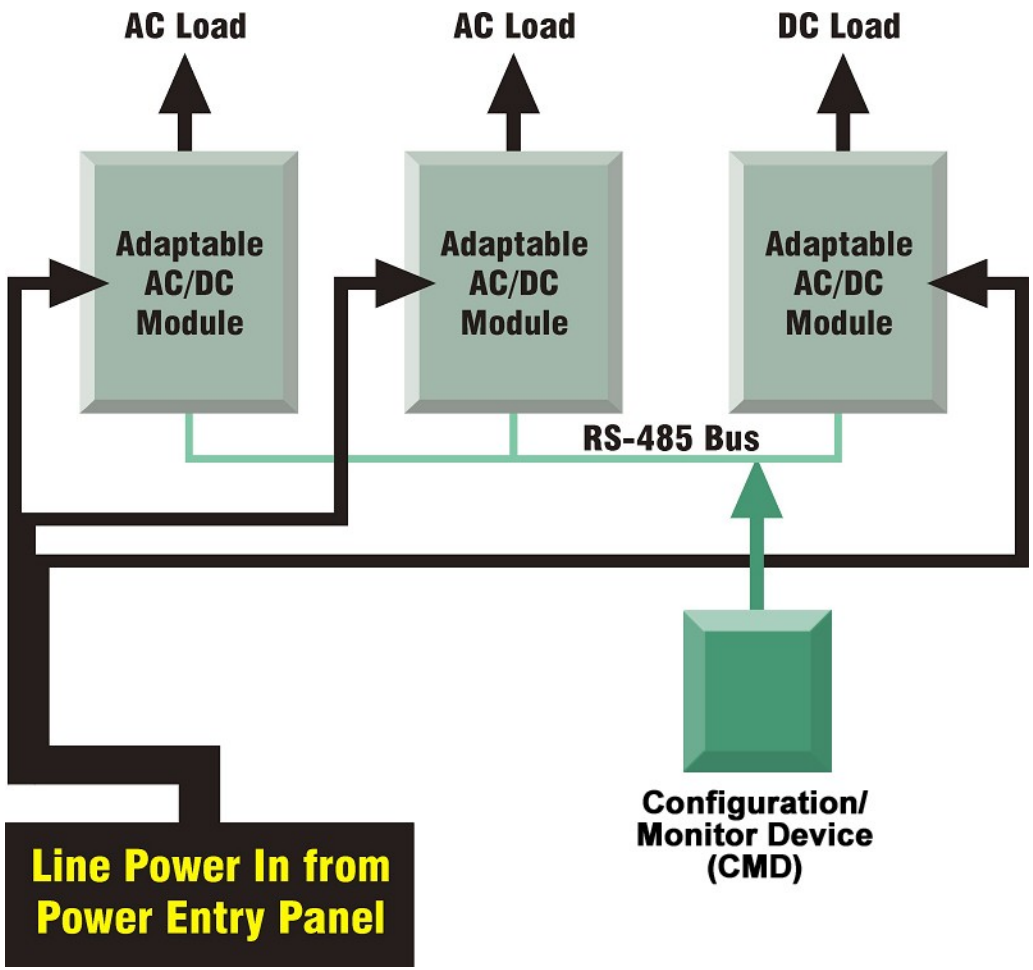
IPMS System


Battle Short
Temp. Sensor
Audible Alarm Reset
RS232
Audible Alarm
Module Reset Switch
LED Indicators
Chassis Rack
CMD
SETUP SCREEN
OK
UP
Current
A
CNCL
DWN
Temp
C
AC/DC Module

Notional Functionality



90-120 VAC (50/60 Hz) 15,20A

24 to 28 VDC, 35-60A

0 to 70 degrees Centigrade

Size/weight dependant on platform requirements

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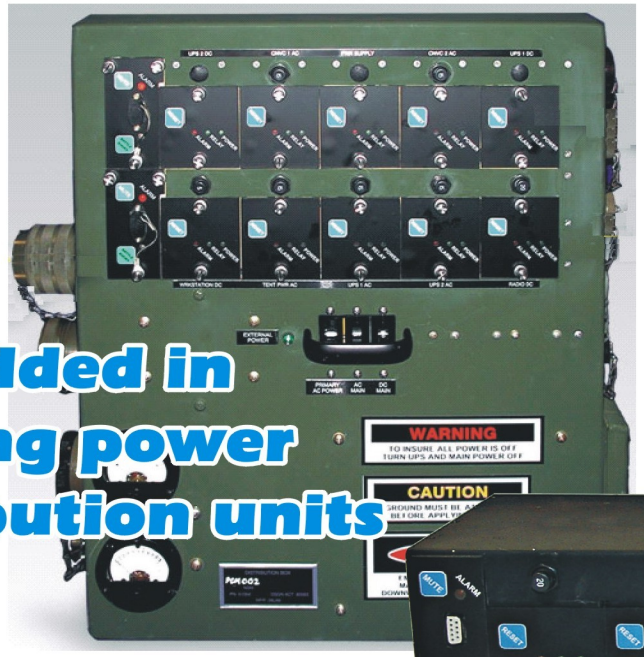
Flexible Installations



Embedded in existing power distribution units

Distributed, usage-assigned, networked modules

Stand-alone, "stackable" chassis

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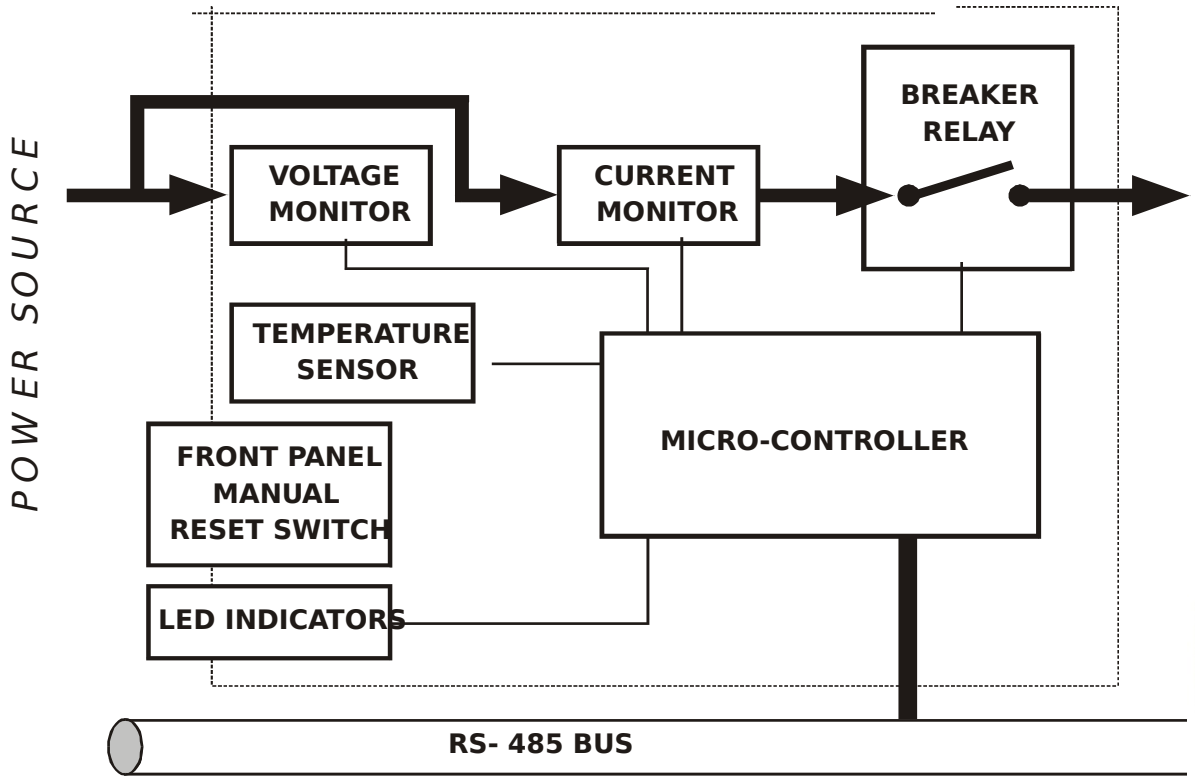
Modular Design



AC/DC Module

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IPMS - SICPS Platform Integration

RIGID WALL SHELTER

TRANSIT CASE

SOFT TOP HMMWV

M1068 TRACKED VEHICLE

5-TON EXPANDO VAN

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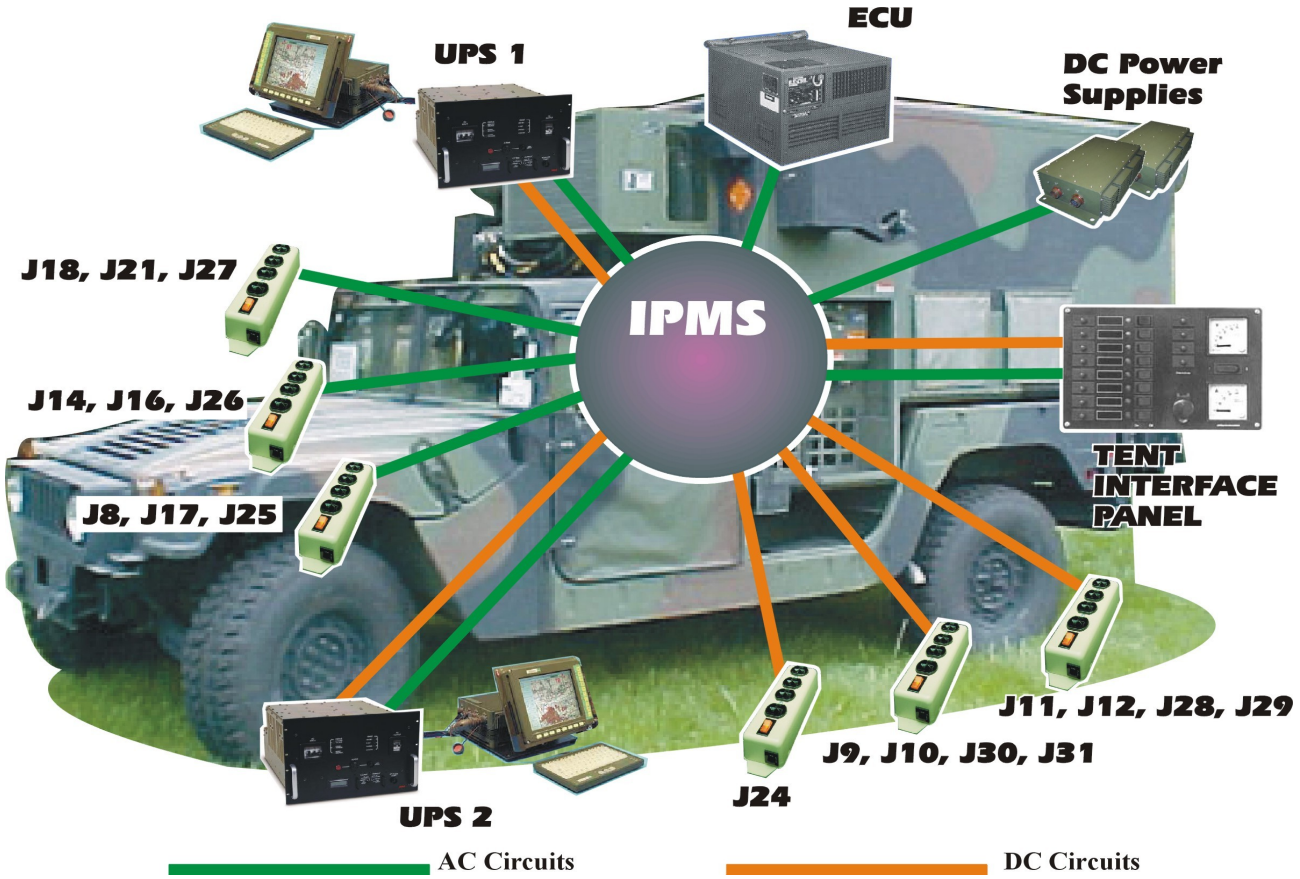
Nominal Application



IPMS SICPS Integration

C2V C4ISR OTM Capstone Demo Hummer

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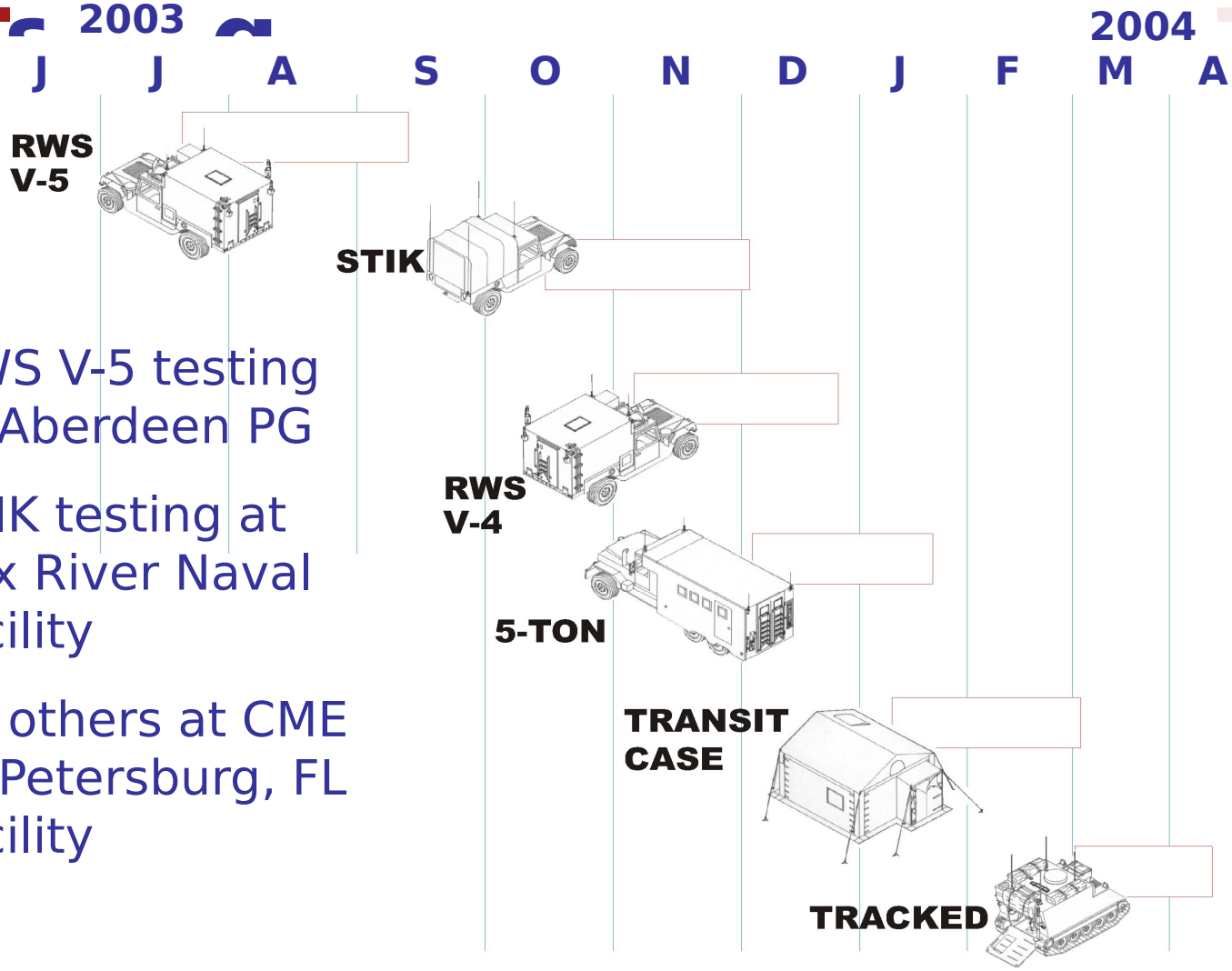
IPMS SICPS Integration

EXTERNAL POWER
PRIMARY AC POWER
AC MAIN
DC MAIN
WARNING
TO INSURE ALL POWER IS OFF TURN UPS AND MAIN POWER OFF
CAUTION
GROUND MUST BE ATTACHED BEFORE APPLYING POWER
DANGER
EMPLACE GENERATOR AT MAXIMUM CABLE LENGTH DOWNWIND FROM SHELTER/TENTS

Soft-Top HMMWV

IPMS SCIPS Integration Te



- RWS V-5 testing at Aberdeen PG
- STIK testing at Pax River Naval facility
- All others at CME St Petersburg, FL facility

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IPMS SICPS Integration

Transit Case

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Transition Opportunities

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